Figure 1

M T I G E M L R S F L T K L E W F S T L F P R I P V P V Q K N I D Q Q I K T R P R K I
K K D G K E G A E E I D R H V E R R R S R S P R R S L S P R R S P R R S R S R S H H
R E G H G S S S F D R E L E R E K E R Q R L E R E A K E R E K E R R R S R S I D R G
L E R R R S R S R E R H R S R S R S R D R K G D R R D R D R E R E K E N E R G R R
R D R D Y D K E R G N E R E K E R E R S R E R S K E Q R S R G E V E E K K H K E D
K D D R R H R D D K R D S K K E K K H S R S R S R E R K H R S R S R S R N A G K R
S R S R S K E K S S K H K N E S K E K S N K R S R S G S Q G R T D S V E K S K K R
E H S P S K E K S R K R S R S K E R S H K R D H S D S K D Q S D K H D R R R S Q S I
E Q E S Q E K Q H K N K D E T V Stop

Figure 2

ACGCGGGGTTTCCAATTATTTGTTCATTTATTTATTTTCTACATAACTAAATTAGAAACCTCACTGCTTCAT
GGCAGTTGGTTTGCTATTGCTTCCAGTTTTATTAGGGCTTCATTTTATATTAGAGCTGTTAAAAGATAACCT
TTAGACAGGAATTATCTAAAGTAGACATTTTATATTAGAGCTGTTAAAAGATAACCTTTAGACAGGAATTAT
CTAAAGTAGATCATATGTAGCTAGGTTATGGTGCAAGGTGTATGATGTGTGCAAATATGTCCACAGAAATAA
ATACATAGTAGGTATGTGGAATGTAAATTTAAGTCAATCGTTCCGCATAGTTTAGAAATGTAAGGGGCTTTT
TCATATTGTTAACTGAGTGAGATCAGTTCCCTTTATGCCTGTGAGGCTGCAGGGTTTGTTCTCACTTGCATG
CACACACTAAGCCCAAATATTTCTGTTCATTCATTGTCAGATCAGGATATGAAAATAAAATTTTTCTGTTAG
TTTTTTTTGTATTGAGATTCCAAAGATGGTAATATTTTTATAATATTCATGTATATATGGAAATACTTTTTT
TGACGGCTAGGGTATCTTTTGTGTTTCTGTAGGACCTAGATGTGAAGGCTGGTGGAGGCTGTGTA
ATGACCATTGGAGAAATGCTACGATCTTTTCTCACAAAACTGGAGTGGTTTTCTACCTTGTTTCCAAGAATT
CCAGTTCCAGTTCAAAAGAATATTGATCAACAGATTAAAACCCGACCTAGAAAAATCAAGAAAGATGGGAAG
GAAGGTGCTGAGGAAATAGACAGACATGTTGAACGCAGACGTTCAAGGTCTCCAAGGAGATCTCTGAGTCCA
CGGAGGTCCCCAAGAAGGTCAAGAAGTAGAAGTCATCATCGGGAGGGCCATGGGTCTTCTAGTTTTGACAGA
GAATTAGAAAGAGAGAAAGAACGCCAGCGACTAGAGCGTGAAGCCAAAGAAAGGGAGAAAGAA
CGGCGAAGATCCCGAAGTATTGACCGGGGGTTAGAACGCAGGCGCAGCAGAAGTAGGGAAAGGCATAGAAGT
CGCAGTCGAAGTCGTGATAGGAAAGGGGATAGAAGGGACAGGGATCGAGAAAGAGAGAAAGAAAATGAGAGA
GGTAGAAGACGAGATCGTGACTATGATAAGGAAAGAGGAAATGAACGAGAAAAAGAGAGAGAGCGATCAAGA
GAAAGGTCCAAGGAACAGAGAAGTAGGGGAGAGGTAGAAGAGAAGAAACATAAAGAAGACAAAGATGATAGG
CGGCACAGAGATGACAAAAGAGATTCCAAGAAAGAGAAAAAACACAGTAGAAGCAGAAGCAGAGAAAGGAAA
CACAGAAGTAGGAGTCGAAGTAGAAATGCAGGGAAACGAAGTAGAAGTAGAAGCAAAGAGAAATCAAGTAAA
CATAAAAATGAAAGTAAAGAAAAATCAAATAAACGAAGTCGAAGTGGCAGTCAAGGAAGAACTGACAGTGTT
GAAAAATCAAAAAAACGGGAACATAGTCCCAGCAAAGAAAAATCTAGAAAGCGTAGTAGAAGCAAAGAACGT
TCCCACAAACGAGATCACAGTGATAGTAAGGACCAGTCAGACAAACATGATCGTCGAAGGAGCCAAAGTATA
GAACAAGAGAGCCAAGAAAAACAGCATAAAAACAAAGATGAGACTGTG
TGAAAATATTTTGTAAAAGTGGATCACATTGAATCCTATAAATGATTAAATCTGCTTTTTTCCCCCACGTTG
AGATTGTGCAGTAGTTCGCACTCCTCAAGCTCTCCCTGTAGGCTGCATTTTCATTTCCTCTTTCGTGTAGGG
AAGTGCCTTTGTAATTCCATTTATTGCATTGGTGTTTTCACCCAATTGTTAAGTTTGATACATGATGCACAG
ATTGTTCTTGCATTTTTATTGTTTGTTTTTGAAATGTACAGTCTGTACATATGTCCTGAAAATGTTTTAATT
CCTTTGGCATGGTTACCATGTTGGTTAAATTTGTATAAGGCAATAAACTGCCACTAATCCNAAAAAAAAAAA
AAAAAAAAAAAAAAA

Start codon (ATG) and stop codon (TGA) underlined

FIGURE 3

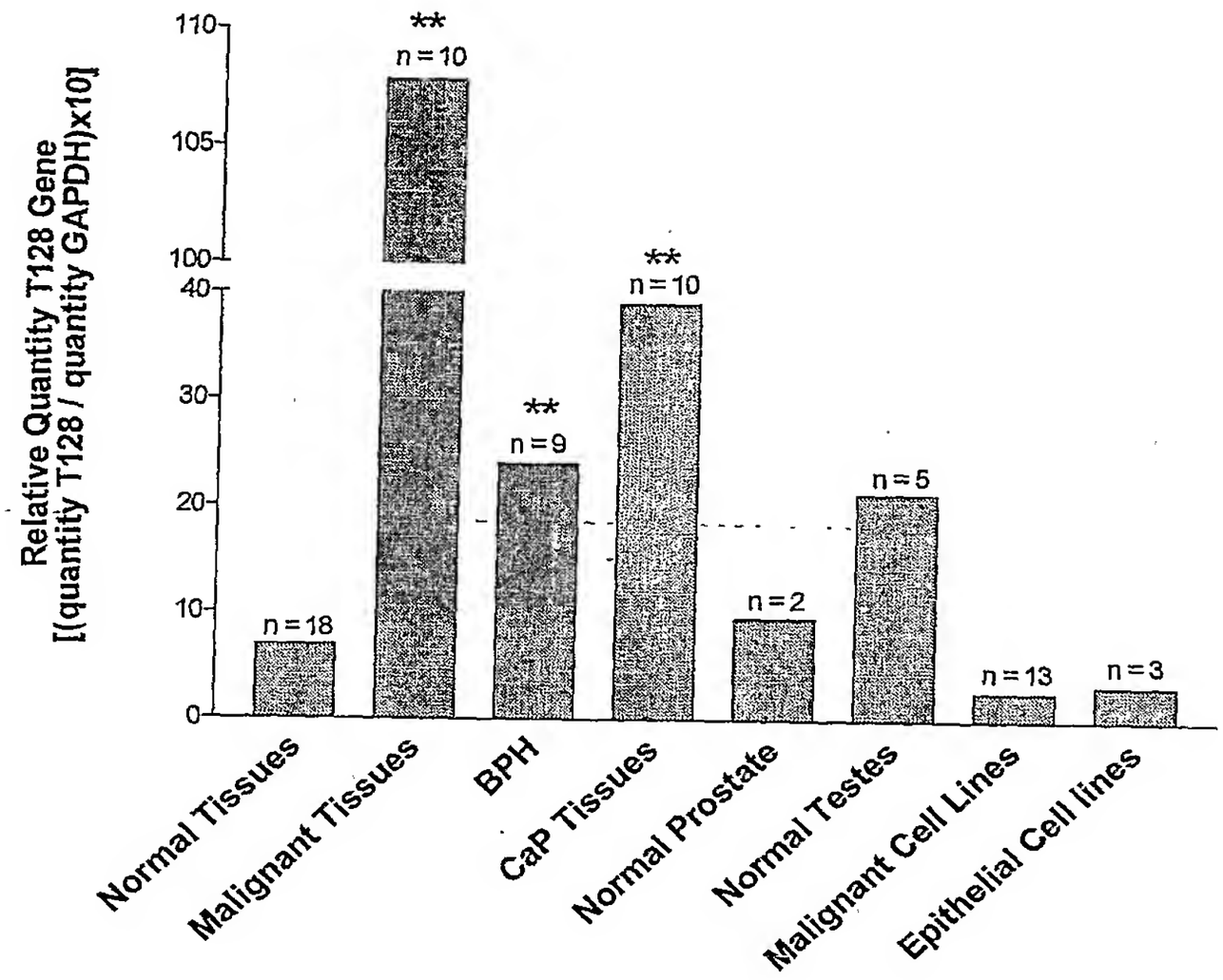

FIGURE 4